

AN 1995-268514 JAPIO
 TI HYDROGEN OCCLUDING ALLOY AND HYDROGEN OCCLUDING ALLOY ELECTRODE
 IN TSUKAHARA MAKOTO; TAKAHASHI KUNIO; MISHIMA TAKAHIRO; ISOMURA AKITO; SAKAI
 TETSUO; MIYAMURA HIROSHI; UEHARA HITOSHI
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 SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1995
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 AB PURPOSE: To obtain a hydrogen occluding alloy having excellent hydrogen
 occlud ing characteristics by forming three-dimensional network skeleton
 of a phase consisting essentially of an AB<SB>2</SB> type Laves alloy
 phase into a base phase consisting of a Ti-V solid soln. alloy.
 CONSTITUTION: The Ti-V solid soln. alloy is formed that the alloy phase
 consisting essentially of the AB<SB>2</SB> type Laves alloy phase forms
 the three- dimensional network skeleton and exists in the base phase
 consisting of the Ti-V solid soln. alloy. This alloy is preferably
 composed of $TiV_{\alpha}Ni_{\beta}M_{\gamma}$ (A is
 Zr, Hf, Ta, M is Cr, Mn, Fe, Co, Cu, Nb, $1 \leq \alpha \leq 10$, $0.2 \leq \beta \leq 2.0$,
 $0.05 \leq \gamma \leq 1$, $0 \leq \delta \leq 2$). The AB<SB>2</SB> alloy phase
 described above is preferably composed of $Ti_{\epsilon}A_{\xi}Ni_{\eta}V_{\theta}M_{\iota}$ (A is Zr, Hf, Ta, M is
 Cr, Mn, Fe, Co, Cu, Nb, $0.1 \leq \epsilon \leq 0.4$, $0.1 \leq \xi \leq 0.4$, $0.1 \leq \eta \leq 0.6$,
 $0.1 \leq \theta \leq 0.5$, $0 \leq \iota \leq 0.2$, $\epsilon + \xi + \eta + \theta + \iota = 1$). A
 hydrogen occluding alloy electrode having excellent characteristics and
 long life is obtd. by using this alloy.
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